

CITY OF SAN ANTONIO
PUBLIC WORKS DEPARTMENT
CITY COUNCIL AGENDA MEMORANDUM

AGENDA ITEM NO. 24

TO: Mayor and City Council

FROM: Thomas G. Wendorf, P.E., Director of Public Works

SUBJECT: Unified Planning Work Program (UPWP) Project Submittals

DATE: June 2, 2005

SUMMARY AND RECOMMENDATIONS

This ordinance recommends five projects for the Unified Planning Work Program (UPWP) funding from the Bexar County – Metropolitan Planning Organization (MPO) for Fiscal Year 2006-2007. This ordinance also recommends an additional five projects for future year inclusion. In accordance with the funding procedures adopted by the Metropolitan Planning Organization's (MPO) Transportation Policy Board concurrence by City Council is required in setting the direction and priority of transportation planning studies.

The following work program is recommended in priority order for funding in MPO Fiscal Year 2006-2007:

Traffic Signal Re-Timing Study (2006)	\$147,500
Traffic Modeling for Activity Centers	\$300,000
Traffic Data Collection and Management System	\$110,000
Freeway Corridor, Arterial Intersection Bottleneck Evaluation	\$400,000
Administrative funding for Hike and Bike Coordinator Position	\$90,000
TOTAL	\$1,047,500

Additional projects for inclusion in future fiscal years are as follows:

Traffic Management System Integration and Deployment Plan	\$500,000
Broadway Corridor and Austin Highway Corridor (Witte Museum)	\$500,000
Sidewalk Gap Analysis and Tracking Program	\$250,000
Traffic Modeling (Alamodome, SBC Center)	\$500,000
Westside Multimodal Center Reassessment	\$150,000
TOTAL	\$1,900,000

Staff recommends approval of this ordinance.

BACKGROUND INFORMATION

As required by federal and state regulations, the MPO adopts a UPWP detailing the transportation planning tasks for the study area for a given time period. A call for projects is extended to all area agencies (25 in the San Antonio area) requesting planning studies to be funded and, thereby programmed in the upcoming UPWP. Additionally, the MPO develops a list of planning needs that must be accomplished during the timeframe covered by the UPWP.

Each agency submits a Project Proposal Form for each of the planning issues that their agency wishes to address through the UPWP. These project proposals are required to be approved by the submitting agency's Policy Board prior to transmittal to the MPO. These projects represent the request list to be submitted by the City of San Antonio, which will compete for limited funds with 25 other agencies. If funding is awarded, a subsequent request will be submitted for City Council approval.

The following is a description of the aforementioned projects for which federal transportation planning funds are being sought through the MPO:

Traffic Signal Re-Timing (2006) - \$147,500

This project would provide for a consultant to perform signal system timing analyses and optimization for direct implementation in the field. This project will study the traffic patterns at 59 signalized intersections and develop new traffic signal timings to facilitate improved traffic operations including reduced delay, fuel consumption and improved air quality. The 59 signalized intersections are part of the following four signal systems: Lockhill/Selma, Culebra/Grissom, Flores/Pleasanton and Broadway/Nacogdoches.

This project continues work performed by previous UPWP studies of other signal systems in San Antonio.

Traffic Modeling for Activity Centers - \$300,000

This project would continue the development of sub-area micro-simulation traffic models for specific activity centers in San Antonio. It is proposed that two activity centers be selected for funding during this cycle. Potential activity centers include: Brooks City Base, the San Antonio International Airport, North Central/US 281, West/Loop 1604, San Pedro/IH 410, Ingram Rd/IH 410, Hausman/Loop 1604, East Kelly/Quintana, Guadalupe/IH 35 and other sub-areas that may be identified. Sub-area micro-simulation traffic models will identify the land use/transportation system deficiencies and needs, create for more comprehensive planning of land uses and multi-modal transportation system opportunities and continue to expand the transportation models for planning and operational activities.

Traffic Data Collection and Management System - \$110,000

This project will identify all local sources of manual traffic data collected and develop a management system for the collection, common tabulation/formatting, geo-coding and web-based distribution of data collected. This project will determine area-wide and specific roadway trends in traffic demands, reduce duplication of data collection efforts, allow data collected by

agencies to be utilized by cooperating entities and provide a means for private and public entities to make use of such data.

Freeway Corridor, Arterial Intersection Bottleneck Evaluation - \$400,000

This project seeks to identify approximately 50 arterial intersections within freeway corridors that are "bottlenecks" to the free flow of traffic along arterials serving as primary feeders to the freeway system. The project would identify, quantify and prioritize the factors that cause the bottleneck and formulate potential construction, non-construction and operational actions to be taken to eliminate or minimize the bottleneck.

Administrative Funding for Hike and Bike Coordinator Position - \$90,000

The funding of this position would incorporate/promote installation of bicycle facilities into all aspects of the local transportation networks by performing technical planning and analysis and administrative duties as required. In addition, the coordinator will promote and coordinate pedestrian and bicycling related activities such as the annual Hike and Bike events, assist with the implementation of the Regional Bicycle Master Plan, Safe Routes to School, sidewalk evaluation and pedestrian and bicycle facility data collection. This position will be responsible for coordinating these efforts with MPO, VIA, members of the public, to coordinate and develop area bicycle and pedestrian projects and programs.

This project would continue a UPWP project funded in FY 2004-2005.

The following is a description of the projects being included for future fiscal year federal transportation planning funds:

Traffic Management System Integration and Deployment Plan - \$500,000

This project will reassess our current hardware, software, and communications needs for management of the City's traffic signal system. The age of the existing Traffic Management System (TMS), rapid development of Traffic Management technology, lack of a reliable city-wide communications network and the City's ever-increasing traffic signal system needs provide an opportunity for the development of a TMS Integration and Deployment Plan.

Broadway Corridor and Austin Highway Corridor (Witte Museum) - \$500,000

This project includes evaluation of the possible development of a multi-modal facility that will address historic Broadway and Austin Highway Corridor revitalization by providing access to cultural institutions (Witte Museum), Brackenridge Park, and potential commercial ventures.

Sidewalk Gap Analysis and Tracking Program - \$250,000

This program will facilitate the identification and prioritization of sidewalks needed City-wide, focusing on areas near schools, VIA routes, and public meeting places and provides for the overall improvement of neighborhood connectivity for pedestrians.

Traffic Modeling (Alamodome, SBC Center) - \$500,000

This project will entail the use of accurate and flexible software that can perform detailed analysis/modeling of a multi-modal transportation system at sub-area level of detail. The primary value of these systems is that it would allow for transportation and traffic planning in a cost-effective manner and would help to identify problems and to model alternative solutions.

Westside Multimodal Center Reassessment - \$150,000

This project is expected to re-examine the feasibility of the proposed Westside Multimodal Center. The original study was undertaken in 2000 and needs to be updated to include new information and evaluate any current alternatives.

POLICY ANALYSIS

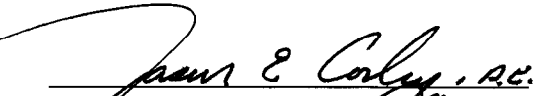
Approval of this ordinance will demonstrate Council's priorities and support for MPO funding of these projects. If funded, these projects will enable further advancement in the creation of a truly multi-modal transportation infrastructure for San Antonio and will reflect City Council established priorities and constitute the City of San Antonio's role in the coordinated transportation planning process of the MPO.

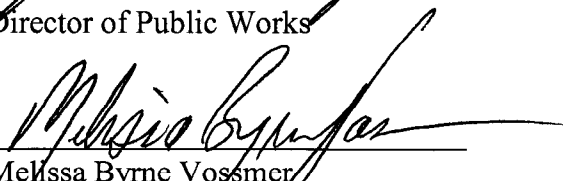
FINANCIAL IMPACT

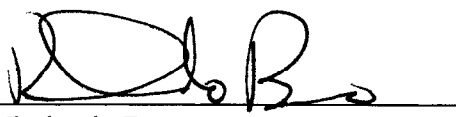
Adoption of this ordinance creates no fiscal impact to the City's budget. Historically, selected projects have been fully funded by the MPO.

COORDINATION

This request for Ordinance has been coordinated with the City Attorney's Office, Planning, Development Services, Health, Management and Budget and Finance Departments.


for Thomas G. Wendorf, P.E.
Director of Public Works


Melissa Byrne Vossmer
Assistant City Manager


J. Rolando Bono
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